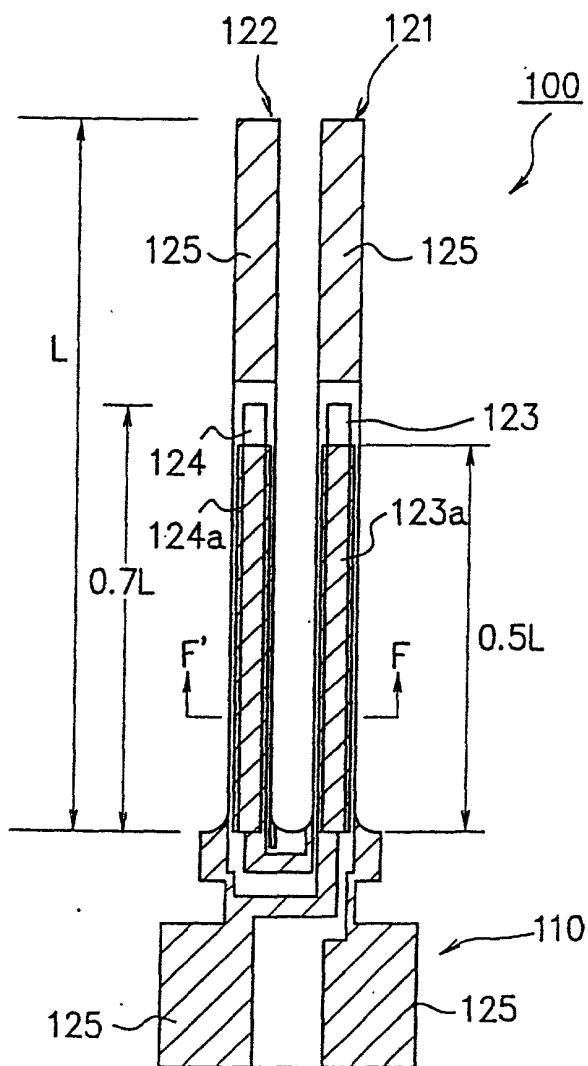


[FIG. 1]

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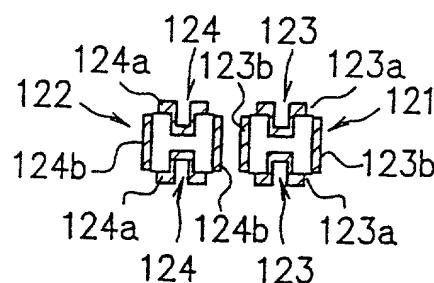
Title: VIBRATING PIECE, VIBRATOR, OSCILLATOR, AND ELECTRONIC DEVICE

Inventor: Hideo TANAYA et al

Atty. Ref. No.: 9319S-000321

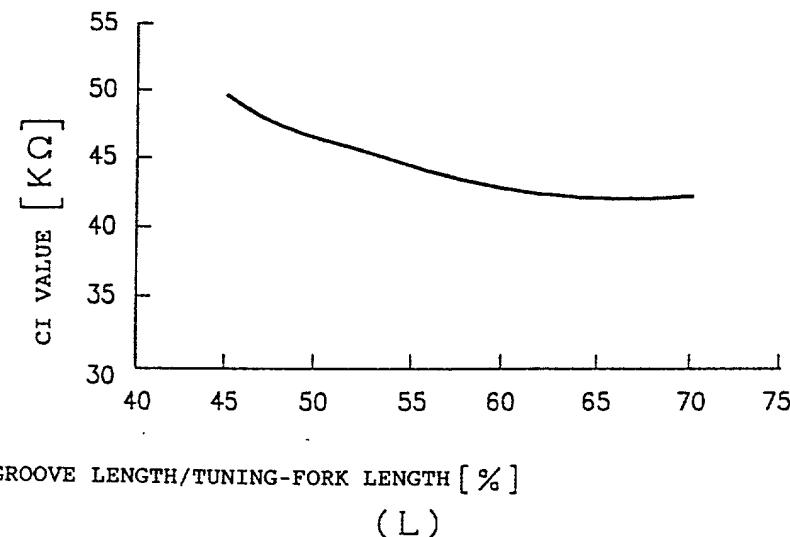
[FIG. 2]

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[FIG. 3]

RELATIONSHIP BETWEEN CI VALUE OF
FUNDAMENTAL WAVE AND GROOVE LENGTH



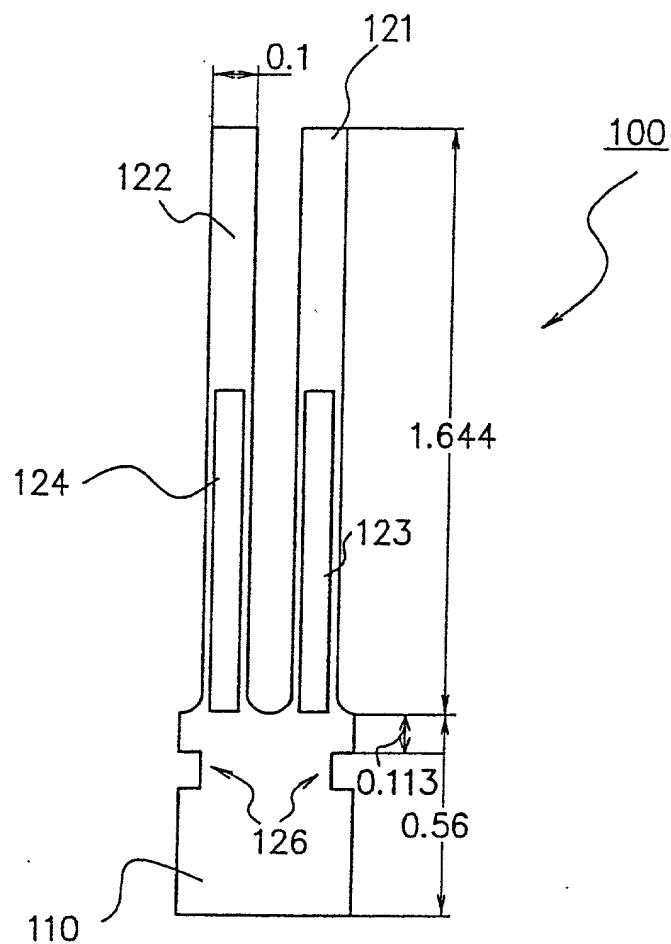
Title: VIBRATING PIECE, VIBRATOR, OSCILLATOR, AND ELECTRONIC DEVICE

Inventor: Hideo TANAYA et al

Atty. Ref. No.: 9319S-000321

[FIG. 4]

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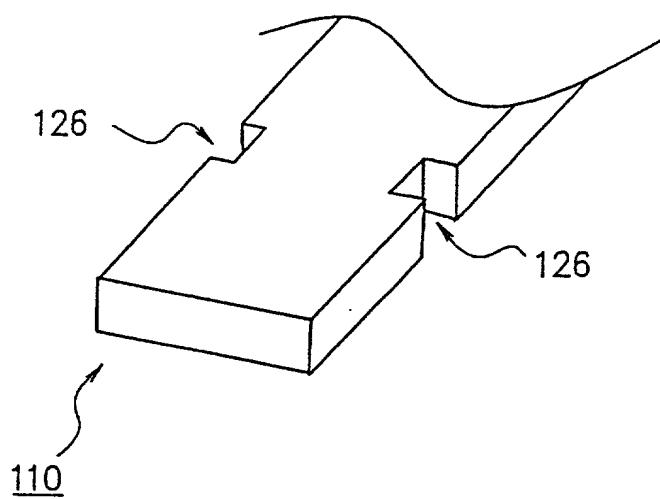
Title: VIBRATING PIECE, VIBRATOR, OSCILLATOR, AND ELECTRONIC DEVICE

Inventor: Hideo TANAYA et al

Atty. Ref. No.: 9319S-000321

[FIG. 5]

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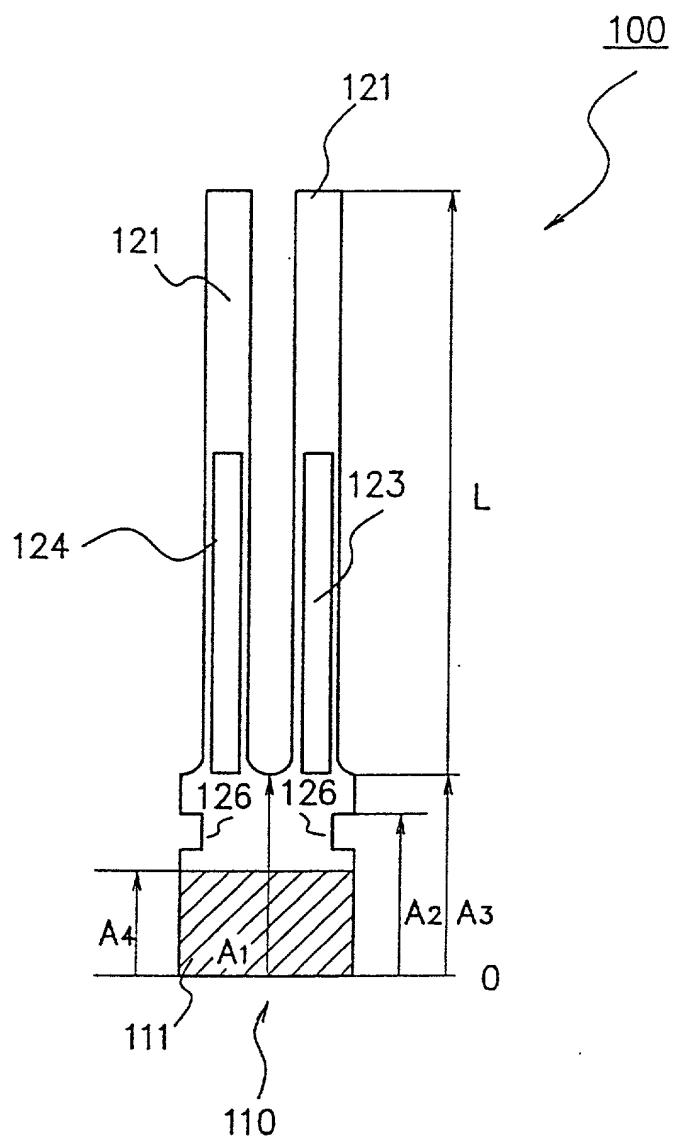
Title: VIBRATING PIECE, VIBRATOR, OSCILLATOR, AND ELECTRONIC DEVICE

Inventor: Hideo TANAYA et al

Atty. Ref. No.: 9319S-000321

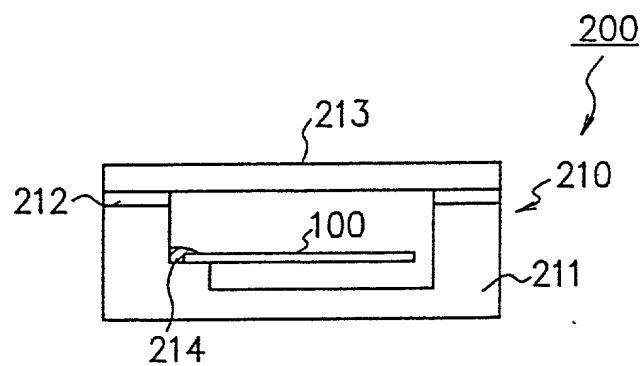
[FIG. 6]

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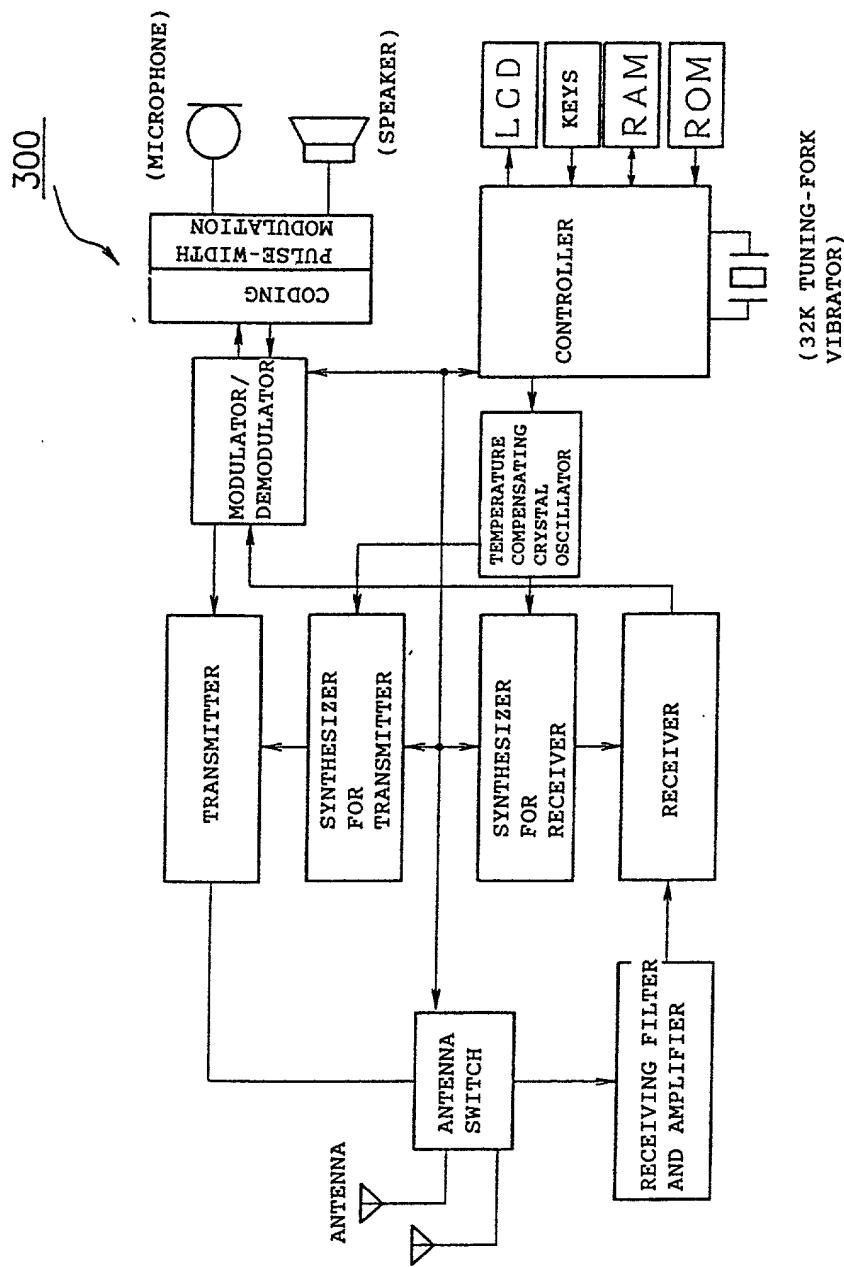
[FIG. 7]

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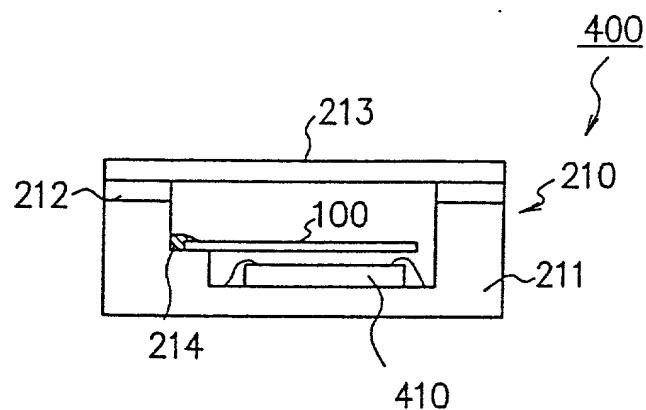
[FIG. 8]

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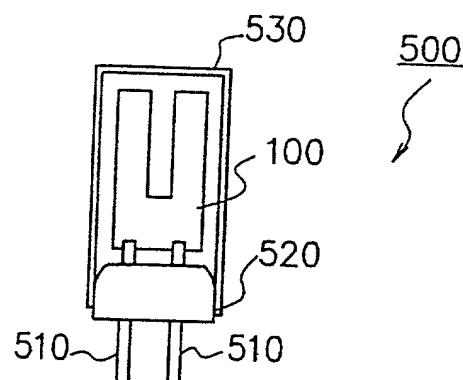


[FIG. 9]

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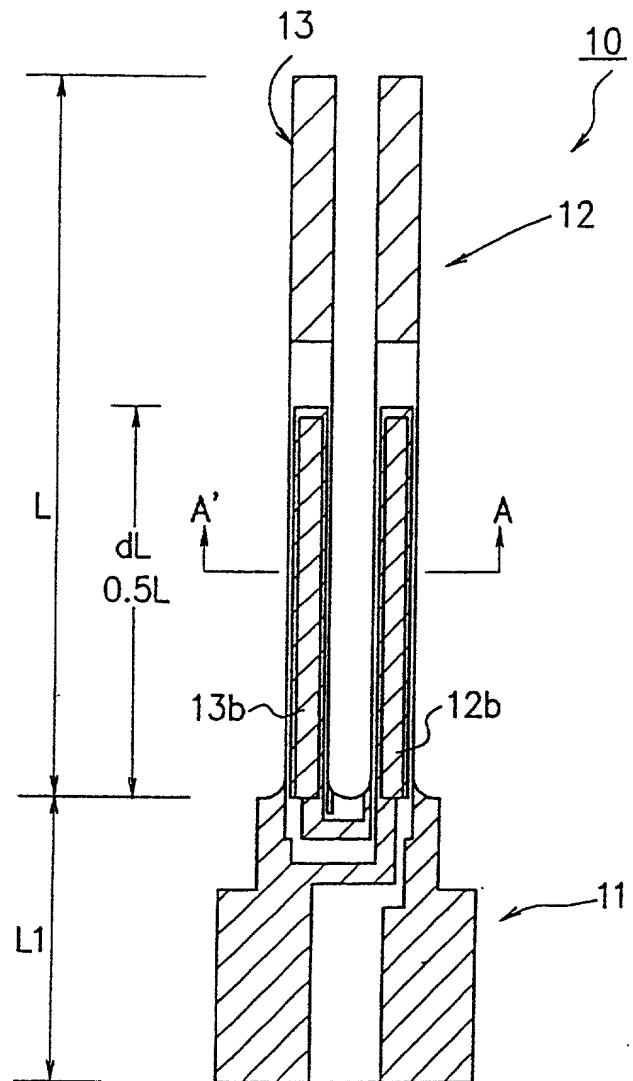


[FIG. 10]



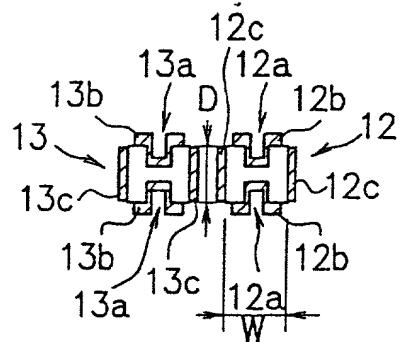
[FIG. 11]

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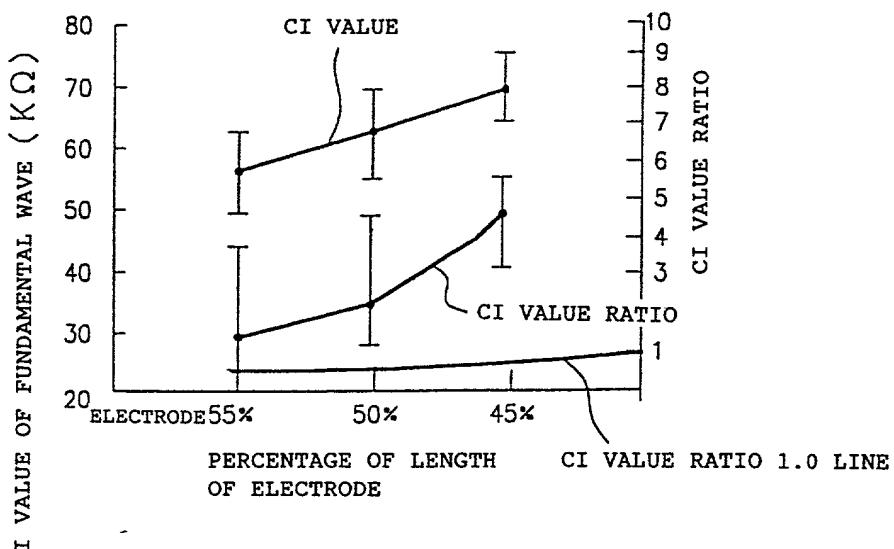
[FIG. 12]

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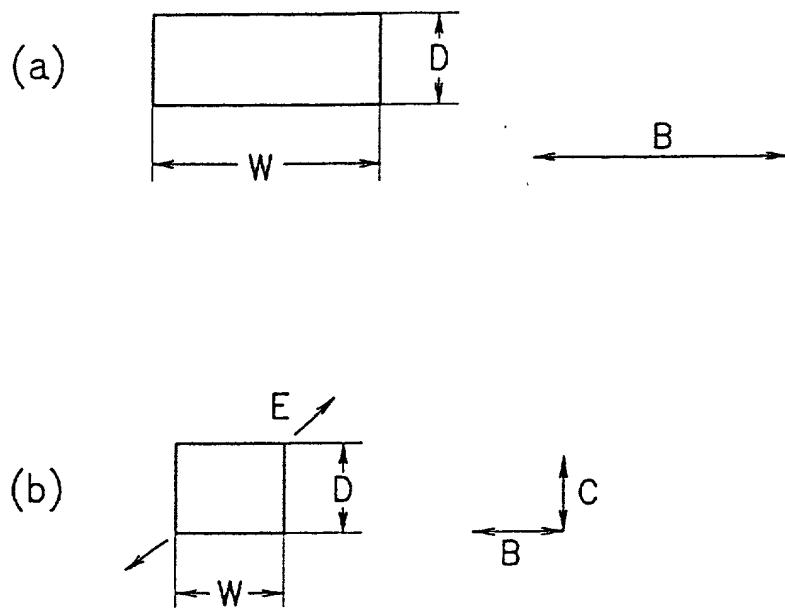
[FIG. 13]

CI VALUE OF FUNDAMENTAL WAVE AND CI VALUE RATIO

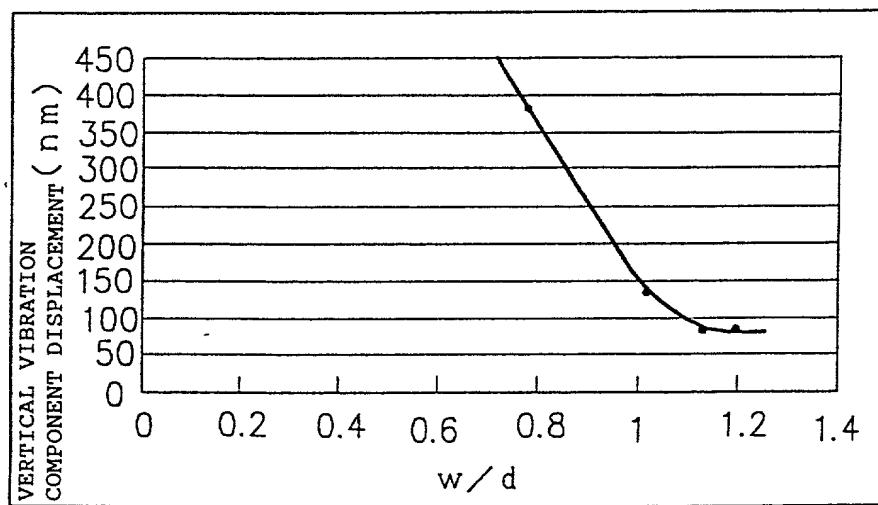


[FIG. 14]

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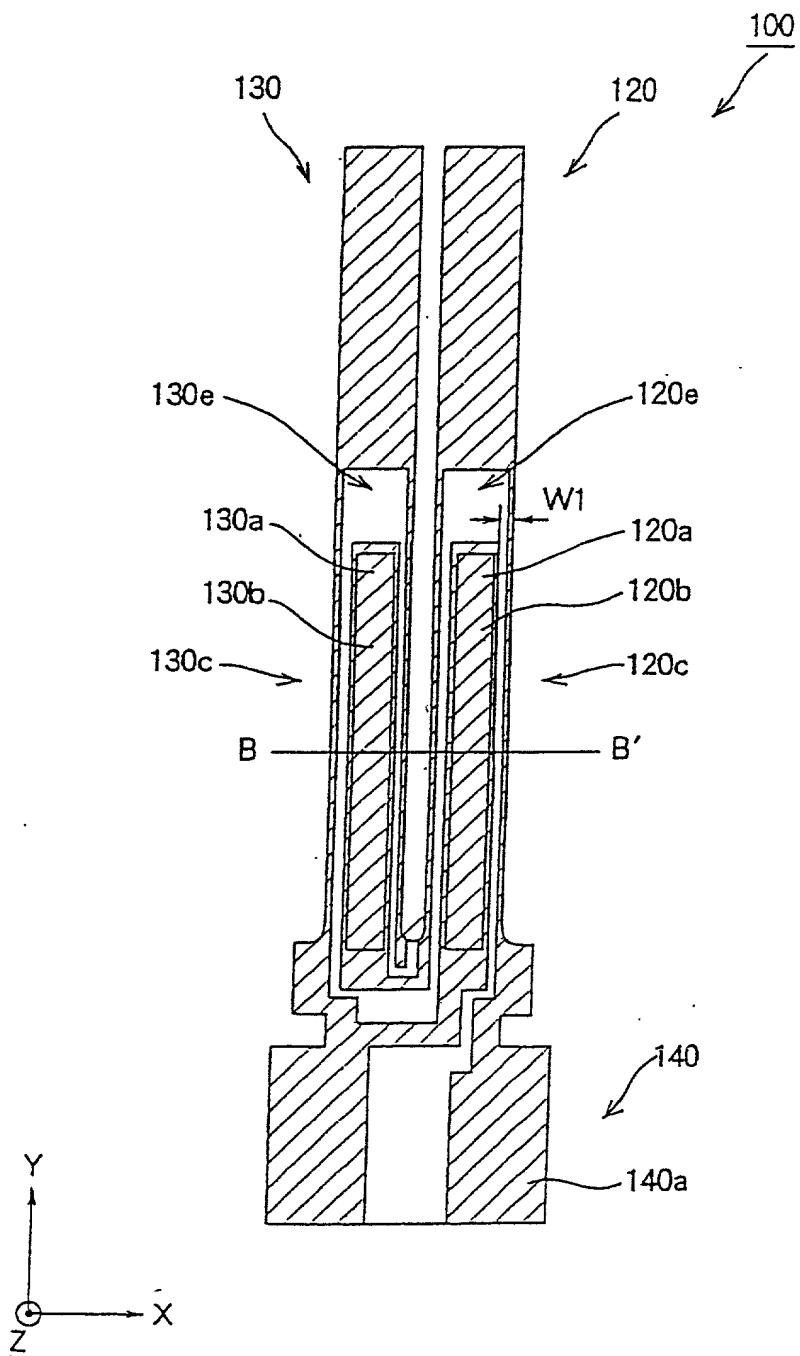


[FIG. 15]

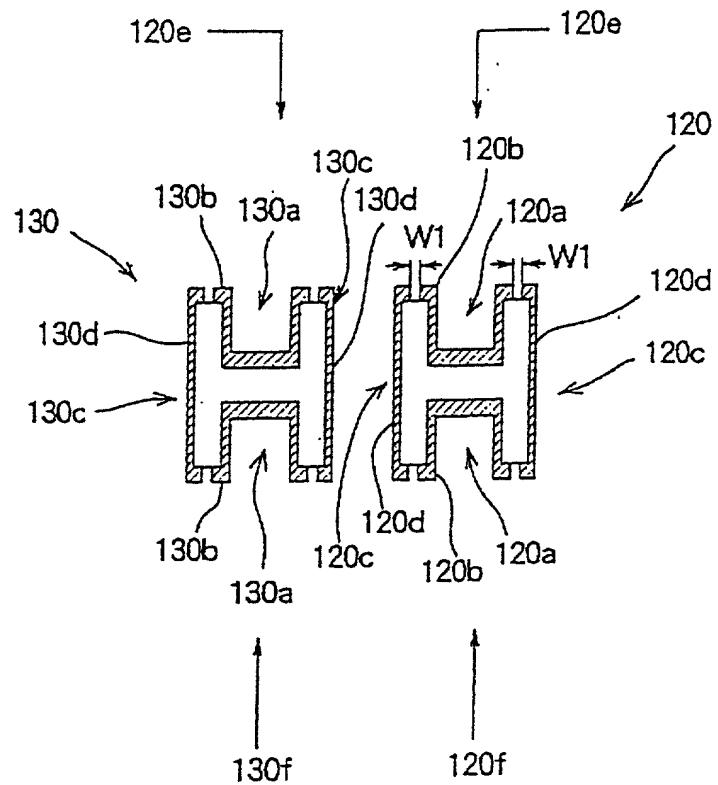


[FIG. 16]

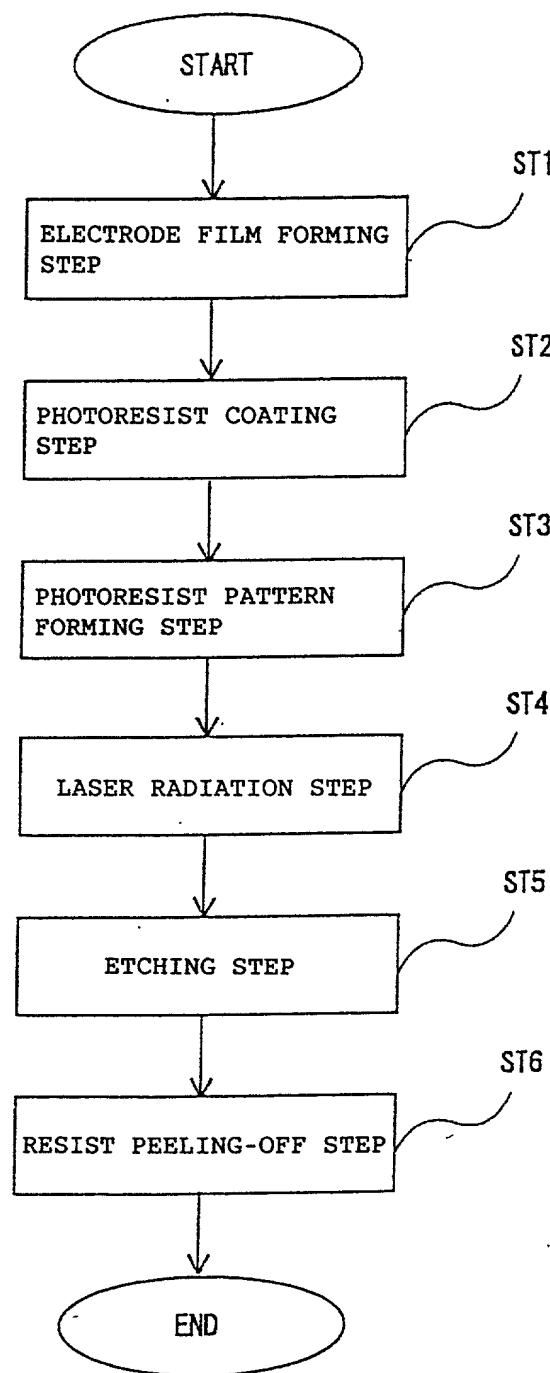
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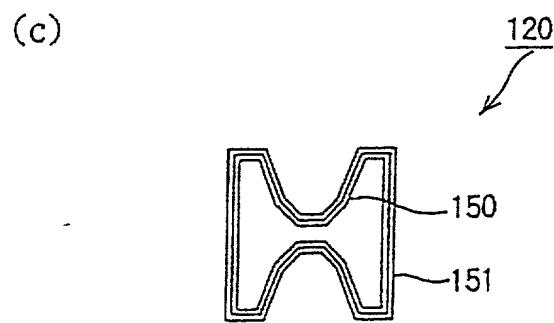
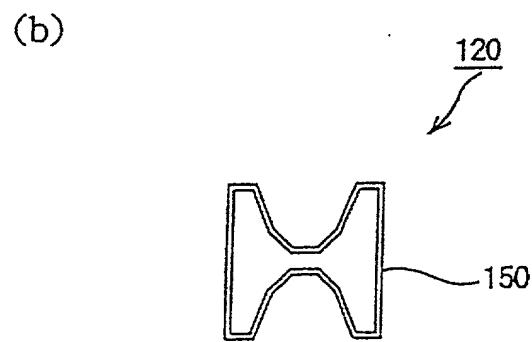
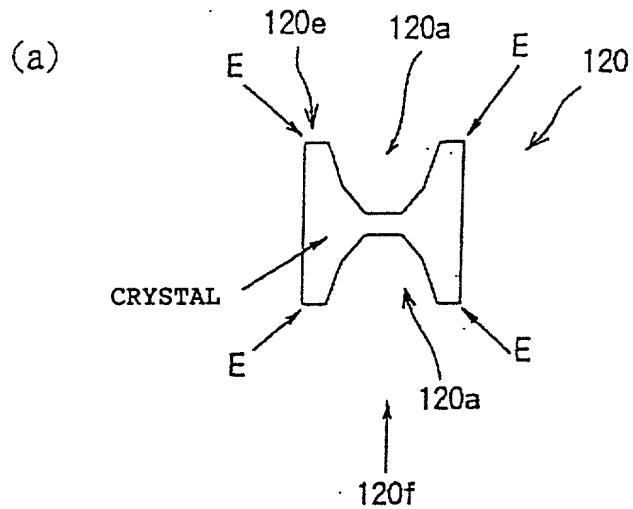
[FIG. 17]



[FIG. 18]

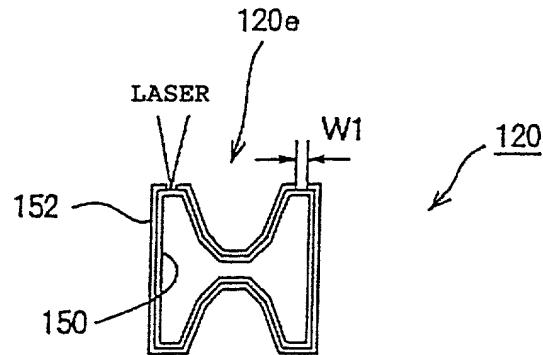


[FIG. 19]

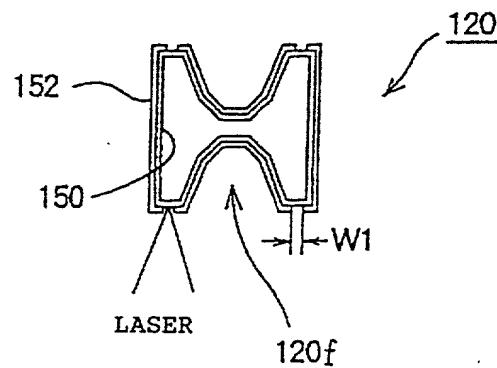


[FIG. 20]

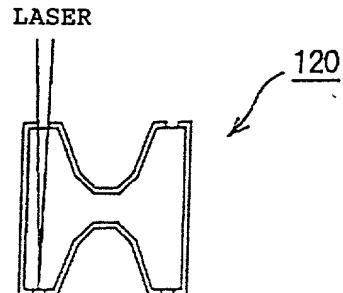
(a)



(b)

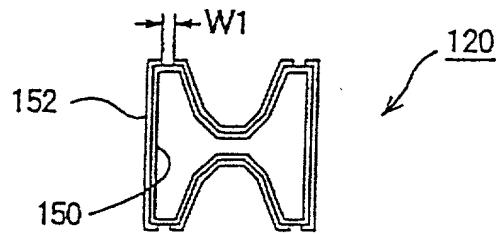


(c)



[FIG. 21]

(a)



(b)

